

Collection No. 217

K.H.L. Kay



No. 704

'Copymate' RECORD BOOK

50 leaves in Duplicate

*Wyang, Merrivale, Tamworth,
Port Macquarie, Wyong, N.S.W.*

24. ii. - 1. iii. 1986

NUMBERED

NO CARBON PAPER REQUIRED

Collection No. 217

24. ii. - 1. iii. 1986

K. H. L. Key

01
Wyang, Morriwa,
Tameworth, Port
Macquarie, Wyang
N.S.W.

24/2

111723.1 Wyang. Proceeded north on highway.

737.7. Turned right into Pacific Highway.

738.9. Cleared from *Angophora costata* on
Lepidosiphon fusca.
gentle undulations. Mixed grasses 9 in

to 2 ft., with some *Plantago*. *Acrida*, *Calidris*,
Phaul. vitt.

739.3. Major cross-roads.

753.4. Hilly country with dense *Angophora*
Heide amicul
costata, *E. graminifera*, *E. microantha*, + *E.*
perpetua, to 60 ft., with *Casuarina*? *Littoralea*
acauliscent
Panthorrhoea sp., various shrubs (*Personia*
2 spp, *Daviesia*, *Dodonaea*, etc. + fairly
abundant grasses (*Poa*, *Themeda* + others)
to 1-2 ft.

756.1. Road off to Catherine Hill Bay on
right.

763.0. Swansea.

769.8. Belmont.

780.3. Christown.

800.2. Bridge over Hunter R. at Hexham.

809.0. Raymond Terrace.

811.3. Turned right for Medowie.

818.0. Road off to right.

822.4. Turned left.

826.1. Medowie. ^{Road off to} ~~the~~ left.

827.8. Return.

829.5. Medowie. Turned right.

[Note: Few grasshoppers of any species were seen on this day, + no Praxibulus, although a number of stops was made between Myong + Raymond Terrace + in the vicinity of Medowie. That place has expanded greatly since my previous visit.]

25/2

858.3. Hexham. Took Maitland road.

868.5. Gentle slope. *E. maculata*, a straggly *Heideamicula*, *Pseudura mesogreya*, + an ironbark to 70 ft. *Themeda australis*, *Monistria discrepans*, *Macrotona nybergi* + a fine grass, both to 3 ft. dense +

slightly more open. Occ. shrubs to 2ft,
occ. patches of *Goodenia* spp. (2). No Pras
875.8 Maitland Railway Sta.

900.6. Branxton.

904.3. Moderate hill slope, with grey-brown
Macrostoma securiformis, *M. modesta*, *Apotrochis*
compact soil. *E. crebra*, *E. maculata*, &
bicarinata, *Froggattina australis*, *Caledia captiva*
& ribbon-barked gum (predominant) to 70ft.

Fairly dense grass of various species to
2ft., much *Helichrysium apiculatum*. An
exposed area of flat rock, where grasses
sparse & lower. Much *Chaetanthes*.

Heteropternis, *Keyaeria nymphaea* on
Helichrysium.

907.7. Belford.

912.4. Turned left for Denman.

922.8. Turned left.

923.8. Road off to left (to Saxonvale mine).

926.0. Paddy road off to left.

934.0. Summit of ~~gentle~~ well rounded
Macrostoma securiformis, *M. modesta*, *Keyaeria*
rise. Beige soil. *E. crebra* to 80ft &
marida
Casuarina sp. (slender, upright) to 20ft.

dense. Grasses, largely *Aristida* sp., to 2 ft
fairly dense, *Helichrysum* abundant (*Kiaeria*
on this), *Acacia* sp. to 3 ft (triangular, spined
phyllodes), *Cheilanthes*. *Acrida*, *Heteropt.*,
Austracris proxima.

936.5. Road off to left to Bulga. Warkworth.

952.9. Jerry's Plains.

961.9. Hillside with brown self-mulching
soil. Probably originally heifers, ^(*A. stenophylla*?) except
for a ^{spreading} heavy-phyllode *Acacia* sp. to 15 ft.
Stipa + *Dichanthium* ^{patchily} of mixed height.
Bermis brachycerus
Bermis in tall grass in table drain
under the acacia. *Acrida*.

963.6. Road off to the wellbrook on right.

969.8. Track off to left. Gentle slope with
Macrotond seariformis, *M. modesta*,
red-brown slightly self-mulching soil at base
Laxatilla smaragdula
of hill to north. Very widely spaced
Caesalpinia buxmannii to 25 ft. Mixed
height *Dichanthium*, *Sporobolus*, *Stipa*, &
Aristida 1-2 ft. with saffron thistle & some
forbs. *Acrida*, *Heteropt.*.

973.7. Dorman Gap.

979.2. Turned left.

983.3. Dorman.

112000.4. Sandy Hollow.

011.5. Gungah.

028.5. Slight rise with red-brown basaltic.
Brachyexama lalipennis, *Phaulacridium*
 slightly stony soil. *E. albens* to 50 ft.
Uittatum, *Bermius brachycerus*
 widely spaced. Mixed grasses & forbs, mainly

Stipa spp., 1-3 ft. [The presence of *Phaul.*
Uittatum & *Brachyexama* (for the first
 time today), combined with the habitat
 features suggests Prax. maybe present
 hereabouts.]

036.0. Merrivale.

036.8. Merrivale depart.

037.3. El Dorado motel. Return.

058.2. Return.

26/2.

081.14. Merrivale depart.

088.4. Terragong.

102.5. Top of rise with chocolate

self-mulching soil & basalt stones. *E. albens*
Laxabilla smaragdina (j.)
 Sav. woodland. Grasses 1-2 ft, *Dichanthium*
 * *Stipa* & *Avena*.

103.5 Road off to left.

104.1 Road off to right to Dales Creek.

105.1

~~105.1~~ Coolie H.S.

121.3 Redmans Riding Lodge.

122.4 Steep slope with self-mulching
Praxibulus pallens, *P. laticrista*, *Goniata*
 chocolate soil & scattered basalt rocks.

australasica, *Laxabilla smaragdina*
E. melliodora fairly dense & occ. *E.*

bridgesiana (?) to 50 ft, *Cassinia* sp.

dense in places to 8 ft. Dense grass,

often collapsed, to 18 in (? *Banthovia* sp.).

124.2 35-Km signpost to Willows Tree.

124.5 Summit of Liverpool La., 747 m.

Praxibulus laticrista, *P. pallens*, *Goniata*
 chocolate soil & some basalt rocks. *E.*

australasica, *Phaulacridium vittatum*
melliodora, a stringybark, occ. *Angophora*

intermedia & other euc. Grass tussocks

to 3 ft interspersed with lower grass &

forbs. (no *Dichanthium*, *Stipa*, or *Themeda*.)

125.9 Rounded treeless ridge W

same soil as last & margined by a
Praxibulus pallidus, *Laxabilla smaragdina*,
Dodonaea? to 7ft. Grass more uniform
Caledia captiva
 to 1ft, with forbs. Gastr.

131.8 Millers Creek H.S.

140.1 Road off to left to Blackville.

141.7 Flat with self-mulching red-brown
Macrotona securiformis, *Tipunga crassa*.
 soil. *E. woodsiiana* (?) to 60 ft thinned.

Acrida, Froggattina, Phaul. with. Spaces
 coarse grass tussocks to 3ft, some forbs.

144.3 Road off to right.

160.4 Turned left into New England
 Highway.

161.0 Willows Tree.

174.7 Road off to Woodston on right.

177.0 Ridge with purple sandy loam.
Praxibulus ? *triquetrus*. *Goniarch vocans*
E. albina to 50ft. *Thermoda* dense to
 3ft, & on other side of road, in grazed
 horse paddock, with patchy grass of
 other species to 1ft. Praxa. in latter.

Acrida, Del.

180.3 Wallabadah.

186.8 Road off to Mundle on right.

190.0 Road off to Gaspard on left.

193.7 Summit of large ridge. Gully with
Praxibulus spp. (2) ^{white}
green grass to left. Pale brown soil. E.
alkens sav. woodland.

200.7 Road off to Mundle on right.

219.2 Road off to Duru on left.

27/2.

243.8 Tameworth depart.

250.6 Remington.

265.8 Moondi.

274.9 Lakeys Ck. Granite

278.0 Shallow watercourse with
Praxibulus exsculptus Granite.
coarse grass grazed down by cattle.
Cleared from eucalypts to 80ft. Gastr.

280.6 Rose Valley Ck.

285.0 Bendemeer.

286.0 Turned right for Walcha.

308.7 ~~Shallow~~ Shallow creek margins in
Praxibulus exsculptus
undulating granite country. Treeless.
but *E. viminalis* nearby.

Grazed mixed tussocky grasses to 1 ft.

311.6. Road off to Woodbrook on right.

315.8. Road off to Niangala on right.

317.5. Walcha Road.

337.2 Walcha.

356.2. ~~From~~ Road off to Hsaley Falls on left.

356.4. Shallow creek margin in hilly
Praxibulus exsculptus
country. Pale brown soil. Not granite.

Cleared from *E. viminalis* + a strong
Mixed grasses, incl. *Themeda*, 1-2 ft.

Prax. very numerous.

373.4. Road off to Tia on right.

377.2. Hilly country, with shallow
Praxibulus exsculptus
gutter bearing mixed grasses 1-2 ft.

along margins. *E. viminalis* + a rough
barked tree with very small oval leaves,
both to 50 ft. Beige soil.

[4 narrowish not identified]

393.2. Road off to left to Kangaroo Flat

Praxibulus exsculptus
+ Cherrimbee Nat. Park. Depression in
undulating country on basalt.

There is a small hill at the point of the
 river & the small - highest hill in the
 district, about 100 ft. high, with a
 hillside, a small hill.

1000 ft. high.

1000 ft. high.

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1944

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simultaneous

$$\frac{25.44}{100} = 0.2544$$

1772 Road off to the N. on the left

572. $\frac{1}{2} \times 100 = 57.2$

12/1/1900. The first of the season. The first of the season. The first of the season.

Left to right

brown soil. Undergrowth cleared from
Praxibulus humilis, *Monistria*
 a fairly young stand of *E. maculata*, *E.*
discrepans (j.)
gummifera, a stringybark, & *Angophora*
costata, maximum height 45 ft. Uniform
 stand of several grasses, incl. *Themeda*
 to 1 ft. with some space between.

757.4. Karruah.

767.0. Road off to right to Gloucester.

768.9. Slight slope, with pale grey soil.

Praxibulus humilis
E. gummifera, a stringybark, *Angophora*
costata to 60 ft, *Casuarina ? littoralis*
 to 20 ft, *Banksia spinulosa* to 3 ft.

acauliscent *Lanthornhara* to 2 ft,
 grass abundant, slender, not *Themeda*.

Praxibulus 'medowianus' (change
 name?) present in unchanged forest,
 but less abundant than at 738.5.

770.8. Road off to Williamstown on
 left.

#3.

792.7. Junction of Pacific & New England
 highways at Hexham.

815.2. Turned off Pacific Highway for Redhead.

819.2 Hilly. Grey brown soil. *Angophora*
Prasibulus excelsus, *Goniodia*
costata, *G. a. stringybark*, & *E. gummiifera*
australasicae
all to 60 ft. *Casuarina* sp. to 30 ft occ.,
Banksia spinulosa to 3 ft, *Themeda*
australis to 2 ft, some *imperata* &
forbs, occ. *Xanthorrhoea* (caulescent).

821.6. Redhead.

826.4. Turned left into Pacific Highway

828.0. Belmont.

835.1. Swansea.

837.1. Hilly. *Angophora costata*, a
Prasibulus excelsus
stringybark & a grey gum to 60 ft, with
Casuarina? *littoralis* to 20 ft & occ.
Xanthorrhoea. *Themeda australis*
1-2 ft dense & more open, some
imperata, some *Hardenbergia*.

839.2. Road off to left for Caves Beach

842.0. Road off to Catherine Hill Bay
on left.

843.5 Road off to Nords Wharf on right.

846.8 Road off to mine camp on left.

847.6 Road off to left.

849.4 Hilly. Summit of sandstone
Proscihulus excavatus (?)

rice. *Angophora costata*, *E. gunnifera*
+ a stringybark, all mainly to 40-50
ft. *Banksia spinulosa* + *B. oblongifolia*
to 3 ft. *Acacia terminalis* to 3 ft. *Xanthor-
rhoea* (acauliscent), occ. *Persea* sp,
+ other shrub. *Themeda australis* 1-2
ft in patches, density various.

850.6 Road off to Gwandaban on right

858.6 Doyleson

875.0 Wuyong.

[Notes: From Wuyong north stops
were made at an average of every
20 km, dictated by the occurrence of
what appeared to be the most likely
spots for *Proscihulus*. In general,
only *Proscihulus* was collected. Field
notes were made only if it was

or of other Acridoidea were taken. In the light of earlier evidence of months of occurrence, there is no reason to suppose that failure to find *Proscilius* had anything to do with the date of the survey. It is likely, however, that habitat modification, particularly tall dense introduced grasses & forbs, could have been a factor, eg. between Newcastle & Branxton. A more coastal route may have revealed the genus between Port Macquarie & Port Stephens.